

Comparisons of Job Characteristics

Focus Occupation: [Helpers--Production Workers \(51-9198\)](#)

Associated Occupation: [Welders, Cutters, Solderers, and Brazers \(51-4121\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 68

Focus Occupation: [Helpers--Production Workers \(51-9198\)](#)

Associated Occupation: [Welders, Cutters, Solderers, and Brazers \(51-4121\)](#)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	9.5	4.1	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	6.4	2.3	<<	Extensive education and/or training may be required
Design	5.2	6.0	3.7	<<	Extensive education and/or training may be required
Building and Construction	4.0	4.9	1.9	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 89

Focus Occupation: [Helpers--Production Workers \(51-9198\)](#)

Associated Occupation: [Welders, Cutters, Solderers, and Brazers \(51-4121\)](#)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Quality Control Analysis	5.9	7.4	5.0	<<	Extensive development of skills in this area may be required
Troubleshooting	4.5	6.2	4.1	<<	Extensive development of skills in this area may be required
Equipment Maintenance	3.5	5.9	3.5	<<	Extensive development of skills in this area may be required
Repairing	3.4	5.9	3.7	<<	Extensive development of skills in this area may be required
Equipment Selection	3.3	5.4	3.1	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 90			
Focus Occupation: Helpers--Production Workers (51-9198) Associated Occupation: Welders, Cutters, Solderers, and Brazers (51-4121)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Arm-Hand Steadiness	6.8	11.4	9.8	<	Some improvement in abilities may be required
Near Vision	11.1	11.2	10.6	0	Current ability level may be sufficient
Manual Dexterity	6.5	10.3	8.4	<	Some improvement in abilities may be required
Finger Dexterity	7.6	9.7	7.9	<	Some improvement in abilities may be required
Oral Expression	12.4	9.7	7.7	<	Some improvement in abilities may be required
Oral Comprehension	12.5	9.6	8.6	<	Some improvement in abilities may be required
Control Precision	6.6	9.5	9.7	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 70
Focus Occupation: Helpers--Production Workers (51-9198) Associated Occupation: Welders, Cutters, Solderers, and Brazers (51-4121)		
Work Activities	Exclusivity of Activity	
Attach or mark identification onto products or containers	54	
Examine products or work to verify conformance to specifications	15	
Load or unload material or workpiece into machinery	34	
Measure, weigh, or count products or materials	17	
Mix paint, ingredients, or chemicals, according to specifications	35	
Monitor production machinery/equipment operation to detect problems	27	
Move or fit heavy objects	8	
Operate hoist, winch, or hydraulic boom	34	
Operate metal or plastic fabricating equipment/machinery	54	
Read work order, instructions, formulas, or processing charts	9	
Signal directions or warnings to coworkers	42	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 81

Focus Occupation: Helpers--Production Workers (51-9198)

Associated Occupation: Welders, Cutters, Solderers, and Brazers (51-4121)

Tools and Technologies	Exclusivity
Cleaning equipment	11
Computers	1
Content authoring and editing software	1
Cutting and crimping and punching tools	3
Data management and query software	1
Forming tools	2
Holding and clamping tools	3
Ladders and scaffolding	6
Lifting equipment and accessories	3
Measuring and layout tools	3
Pneumatic tools	8
Power tools	2
Rough and finishing tools	5
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.